

SEQUENCE LISTING

<110> Adams, Lynn
Davis, Pamela
Ma, Jian Jie

<120> Enhancers of CFTR Chloride Channel
Function

<130> 03037.86704

<140> 09/512,260

<141> 2000-02-24

<150> 60/121,495

<151> 1999-02-24

<160> 6

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 18

<212> PRT

<213> Homo sapiens

<400> 1

Gly Leu Glu Ile Ser Glu Glu Ile Asn Glu Glu Asp Leu Lys Glu Cys
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Phe Phe

<210> 2

<211> 22

<212> PRT

<213> Homo sapiens

<400> 2

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Phe Phe Asp Asp Met Glu
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<210> 3

<211> 559

<212> PRT

<213> HSV-1

<400> 3

Met Ala Arg Phe His Arg Pro Ser Glu Asp Glu Asp Asp Tyr Glu Tyr
1 5 10 15
Ser Asp Leu Trp Val Arg Glu Asn Ser Leu Tyr Asp Tyr Glu Ser Gly
20 25 30
Ser Asp Asp His Val Tyr Glu Glu Leu Arg Ala Ala Thr Ser Gly Pro
35 40 45
Glu Pro Ser Gly Arg Arg Ala Ser Val Arg Ala Cys Ala Ser Ala Ala
50 55 60
Ala Val Gln Pro Ala Ala Arg Gly Arg Asp Arg Ala Ala Ala Ala Gly
65 70 75 80
Thr Thr Val Ala Ala Pro Ala Ala Ala Pro Ala Arg Arg Ser Ser Ser
85 90 95
Arg Ala Ser Ser Arg Pro Pro Arg Ala Ala Asp Pro Pro Val Leu
100 105 110

Arg	Pro	Ala	Thr	Arg	Gly	Ser	Ser	Gly	Gly	Ala	Gly	Ala	Val	Ala	Val
		115					120					125			
Gly	Pro	Pro	Arg	Pro	Arg	Ala	Pro	Pro	Gly	Ala	Asn	Ala	Val	Ala	Ser
	130					135					140				
Gly	Arg	Pro	Leu	Ala	Phe	Ser	Ala	Ala	Pro	Lys	Thr	Pro	Lys	Ala	Pro
145					150					155					160
Trp	Cys	Gly	Pro	Thr	His	Ala	Tyr	Asn	Arg	Thr	Ile	Phe	Cys	Glu	Ala
				165					170					175	
Val	Ala	Leu	Val	Ala	Ala	Glu	Tyr	Ala	Arg	Gln	Ala	Ala	Ala	Ser	Val
			180					185					190		
Trp	Asp	Ser	Asp	Pro	Pro	Lys	Ser	Asn	Glu	Arg	Leu	Asp	Arg	Met	Leu
	195						200					205			
Lys	Ser	Ala	Ala	Ile	Arg	Ile	Leu	Val	Cys	Glu	Gly	Ser	Gly	Leu	Leu
	210					215					220				
Ala	Ala	Ala	Asn	Asp	Ile	Leu	Ala	Ala	Arg	Ala	Gln	Arg	Pro	Ala	Ala
225					230					235					240
Arg	Gly	Ser	Thr	Ser	Gly	Gly	Glu	Ser	Arg	Leu	Arg	Gly	Glu	Arg	Ala
				245					250					255	
Arg	Pro	Met	Thr	Ser	Arg	Arg	Ser	Val	Lys	Ser	Gly	Pro	Arg	Glu	Val
			260					265					270		
Pro	Arg	Asp	Glu	Tyr	Glu	Asp	Leu	Tyr	Tyr	Thr	Pro	Ser	Ser	Gly	Met
		275					280					285			
Ala	Ser	Pro	Asp	Ser	Pro	Pro	Asp	Thr	Ser	Arg	Arg	Gly	Ala	Leu	Gln
	290					295					300				
Thr	Arg	Ser	Arg	Gln	Arg	Gly	Glu	Val	Arg	Phe	Val	Gln	Tyr	Asp	Glu
305					310					315					320
Ser	Asp	Tyr	Ala	Leu	Tyr	Gly	Gly	Ser	Ser	Ser	Glu	Asp	Asp	Glu	His
				325					330					335	
Pro	Glu	Val	Pro	Arg	Thr	Arg	Arg	Pro	Val	Ser	Gly	Ala	Val	Leu	Ser
			340					345					350		
Gly	Pro	Gly	Pro	Ala	Arg	Ala	Pro	Pro	Pro	Pro	Ala	Gly	Ser	Gly	Gly
		355					360					365			
Ala	Gly	Arg	Thr	Pro	Thr	Thr	Ala	Pro	Arg	Ala	Pro	Arg	Thr	Gln	Arg
	370					375					380				
Val	Ala	Thr	Lys	Ala	Pro	Ala	Ala	Pro	Ala	Ala	Glu	Thr	Thr	Arg	Gly
385					390					395					400
Arg	Lys	Ser	Ala	Gln	Pro	Glu	Ser	Ala	Ala	Leu	Pro	Asp	Ala	Pro	Ala
				405					410					415	
Ser	Thr	Ala	Pro	Thr	Arg	Ser	Lys	Thr	Pro	Ala	Gln	Gly	Leu	Ala	Arg
			420					425					430		
Lys	Leu	His	Phe	Ser	Thr	Ala	Pro	Pro	Asn	Pro	Asp	Ala	Pro	Trp	Thr
		435					440					445			
Pro	Arg	Val	Ala	Gly	Phe	Asn	Lys	Arg	Val	Phe	Cys	Ala	Ala	Val	Gly
	450					455					460				
Arg	Leu	Ala	Ala	Met	His	Ala	Arg	Met	Ala	Ala	Val	Gln	Leu	Trp	Asp
465					470					475					480
Met	Ser	Arg	Pro	Arg	Thr	Asp	Glu	Asp	Leu	Asn	Glu	Leu	Leu	Gly	Ile
				485					490					495	
Thr	Thr	Ile	Arg	Val	Thr	Val	Cys	Glu	Gly	Lys	Asn	Leu	Leu	Gln	Arg
			500					505					510		
Ala	Asn	Glu	Leu	Val	Asn	Pro	Asp	Val	Val	Gln	Asp	Val	Asp	Ala	Ala
		515					520					525			
Thr	Ala	Thr	Arg	Gly	Arg	Ser	Ala	Ala	Ser	Arg	Pro	Thr	Glu	Arg	Pro
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 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> membrane permeating peptide

<400> 4
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 Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu
 20 25

<210> 5
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> membrane permeating peptide

<400> 5
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 1 5 10 15

<210> 6
 <211> 9
 <212> PRT
 <213> Homo Sapiens

<400> 6
 Glu Glu Asp Ser Asp Glu Pro Leu Glu
 1 5